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(54) Title: NOVEL BACILLUS 029CEL CELLULASE

The translated 029cel protein composed of 581 amino acids

MNFSLPIRFF	GIGPTAGFFL	LLMGSSALVA	STHTDKIRID	QFGYPADATK	50
	WNSAESYSPG			PWNGGAIHIQ	100
	TVVAEPGHYR		DSFAIGADVY	DVVLREAVRM	150
FFYORSGFAK	EVPYAHANWA	DAASHPQDVA	SRPIWDMGNA		200
FDAGDFNKYS	EWTGRVILEL	LLAYQGRPDV	FTDDFGIPES	GNGVPDLLDE	250
VKWGMDWLLR	MQEPSGAILG	KVSVTGHQSA	SPPSTDTHPR	YYGPVSTBAT	300
AMAAAAFALG	ATVFESVGMS	DYAVTLESAA	HVMTWNWAAI	PHVPFDNTGF	350
ASVSPSRNAH	DTLANRVMAA	AMLFERTGGA	VYRDFFDVRY	LDMEPVQWWY	400
FFPFOGELOK	ALAHYTTLPG	ATPSVSADIR	NRMAASINGG	eflgawnnqt	450
DAYRAYLKDO	DYTWGSNKTK	SQAGFFFEGV	RRLGLNPADA	AAHRDAAMGY	500
LHYLHGVNPM	GMVYLSNMYA	SGADRAANEI	YHHWFRDGRT	GTMPSLHSTV	550
	NAQIQRKHSG				581

(57) Abstract: The present invention provides a novel cellulase nucleic acid sequence, designated 029cel, and the corresponding 029cel amino acid sequence. The invention also provides expression vectors and host cells comprising a nucleic acid sequence encoding 029cel, recombinant 029cel proteins and methods for producing the same.